

Ultrasonic Level Transmitter

588231 (6545-00)

FESTO

LabVolt Series

Datasheet



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General Description

The Ultrasonic Level Transmitter consists of an ultrasonic level transmitter with output signals controlled using 4-20 mA inputs and two switches. Its optimum range is 64 mm - 2 m (2.5 - 80 in), its maximum range is 3 m (10 feet). It has a digital resolution of 0.086 mm (0.0034 in) and an analog resolution of 4099 steps over the 4-20 mA signal. The Ultrasonic Level Transmitter has a repeatability greater than ± 0.76 mm (0.03 in) or 0.1% of the target distance. Its operating temperature is -40 to 70°C (-40 to 158°F) and it is temperature compensated. The update rate of the Ultrasonic Level Transmitter is 50 ms.

Specifications

Parameter	Value
Power Requirements	
Voltage	24 V dc
Current	0.15 A
Output Signals	
Control	4-20 mA
Switches	2
Optimum Range	64 mm - 2 m (2.5 - 80 in)
Maximum Range	3 m (10 ft)
Resolution	
Digital	0.086 mm (0.0034 in)
Analog	4099 steps over the 4-20 mA signal
Repeatability	Greater of ± 0.76 mm (0.03 in) or 0.1% of target distance
Operating Temperature	-40 to 70°C (-40 to 158°F) / Temperature compensated
Update Rate	50 ms

Reflecting the commitment of Festo Didactic to high quality standards in product, design, development, production, installation, and service, our manufacturing and distribution facility has received the ISO 9001 certification.

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Festo Didactic SE

Rechbergstrasse 3
73770 Denkendorf
Germany

P. +49(0)711/3467-0
F. +49(0)711/347-54-88500

Festo Didactic Inc.

607 Industrial Way West
Eatontown, NJ 07724
United States

P. +1-732-938-2000
F. +1-732-774-8573

Festo Didactic Ltée/Ltd

675 rue du Carbone
Québec QC G2N 2K7
Canada

P. +1-418-849-1000
F. +1-418-849-1666

www.labvolt.com

www.festo-didactic.com